

Emission Testing Results Available For Units Subject to the Certification Program: Microturbines

Unit tested	Fuel	Location	Test Method	Date Emissions Measured	NOX - PPM @ 15% (lb/MW-hr)	CO - PPM @ 15% (lb/MW-hr)	VOC - PPM @ 15% (lb/MW-hr)	TOC - PPM @ 15% (lb/MW-hr)
I-R 70L (5 units)	Oil field process gas	Los Angeles, CA	Portable Analyzer	8/25/04	5,7,8,4,0	0,0,6,0,0	NA	
Full source test to be available in 2005								
I-R 70LM	Landfill gas (534 BTU/scf)	Toland Road Landfill, Santa Paula, CA	EPA 7E, 10, 25c	7/21/04	1 (0.07)	2 (0.07)	5* (0.16)	
I-R 250 kw unit	Digester gas (waste water plant)	Lancaster, CA		early 2005				
Capstone 330	Digester gas (585 BTU/scf)	Temecula Valley Regional Water Reclamation Facility, Temecula, CA	SCAQMD 25.1,100.1	4/15/03	2	71	2.7**	
Capstone 330 w/ compressor	Digester gas (animal waste - 625 BTU/scf LHV)	Lamar, Colorado	EPA 7E, 10, 25A	2/14/04	2, with range of 2-40*** (0.08)	300, with range of 300-450*** (8.7)		165, with range of 165-475*** (2.7)
Capstone 330	Landfill gas (417 BTU/scf)	Calabasas Landfill	SCAQMD 25.1,100.1	12/16/03	3	12	2.4*	

* Total non-methane organic gas as hexane and at 3% O₂

** Total non-methane organic gas as methane

*** emissions at maximum rating reported; range represents emissions at 50% of maximum load and 100% of maximum load

1/3/2005

Emission Testing Results Available For Units Subject to the Certification Program: Fuel Cells

Unit tested	Fuel	Location	Test Method	Date Emissions Measured	NOX - PPM @ 15% (lb/MW-hr)	CO - PPM @ 15% (lb/MW-hr)	VOC - PPM @ 15% (lb/MW-hr)	TOC - PPM @ 15% (lb/MW-hr)
PC 25	Landfill gas (446 BTU/scf HHV)	Penrose landfill Sun Valley, CA	EPA 7E, 10	02/17/95	<1	<1		
PC 25	Digester gas	NYC	EPA 7E, 10, 25A	5/1/04	<1*** (0.01)	<2, with range of 2-4*** (0.03)		122, with range of 122-250*** (0.8)
Fuelcell Energy	Digester gas	Palmdale, CA		early 2005				

* Total non-methane organic gas as hexane and at 3% O₂

** Total non-methane organic gas as methane

*** emissions at maximum rating reported; range represents emissions at 50% of maximum load and 100% of maximum load

1/3/2005